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| FORM PTO-1449 | | ATTY. DOCKET NO. 03887.0002.NPUS00 | SERIAL NO. 10/051,956 |
| LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT | | APPLICANT: Larry Mobraaten et al. | |
| (Use several sheets if necessary) | | FILING DATE: January 16, 2002 | GROUP: 1642 |

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE |
|------------------|----|-----------------|----------|---------------|-------|-----------|-------------|
| RRS | AA | 4,589,402 | 05/20/86 | Hodgen et al. | 128 | 1 | 07/26/84 |
| | AB | 4,599,227 | 07/08/86 | Dees et al. | 424 | 38 | 11/07/83 |
| | AC | 4,845,077 | 07/04/89 | Hodgen | 514 | 2 | 07/09/87 |
| | AD | 5,162,306 | 11/10/92 | Donaldson | 514 | 12 | 03/08/91 |
| | AE | 5,272,086 | 12/21/93 | Pineda et al. | 435 | 297.1 | 11/25/97 |
| | AF | 5,585,234 | 04/15/94 | Naz et al. | 435 | 2 | 04/15/94 |
| | AG | 5,627,066 | 05/06/97 | Gordon | 435 | 2 | 04/31/95 |
| | AH | 5,693,534 | 12/02/97 | Alak et al. | 435 | 366 | 06/05/95 |
| | AI | 5,882,928 | 03/16/99 | Moses | 435 | 375 | 03/27/97 |
| | AJ | 5,959,075 | 09/28/99 | Lok et al. | 530 | 303 | 08/01/97 |
| | AK | 6,071,689 | 06/06/00 | Seidel et al. | 435 | 2 | 01/29/98 |
| | AL | 6,132,952 | 10/17/00 | Cohen et al. | 435 | 2 | 06/01/98 |
| | AM | 6,196,965 | 03/06/01 | Purdum | 600 | 34 | 05/21/99 |
| RRS | AN | 6,281,013 | 08/28/01 | Grondahl | 435 | 363 | 03/20/00 |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|----|-----------------|------------------|---------|-------|-----------|-----------|----|
| EXAMINER INITIAL | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY | CLASS | SUB CLASS | TRANSLATI | |
| | | | | | | | YES | NO |
| RRS | AO | WO 00/32140 | 06/08/00 | PCT | | | | X |
| RRS | AP | WO 01/49204 A1 | 07/12/01 | PCT | | | | X |
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| EXAMINER: Examiner | RRS | DATE CONSIDERED: | 2/19/04 |
| EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant | | | |

FORM PTO-1449

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

03887.0002.NPUS00

SERIAL NO.

10/051,956

APPLICANT:

Larry Mobraaten et al.

FILING DATE:

January 16, 2002

GROUP:

1642

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| RRS | BE | Nakagata, N., M. Okamoto, O. Ueda and H. Suzuki (1997) Positive effect of partial zona-pellucida dissection on the in vitro fertilizing capacity of cryopreserved C57BL/6J transgenic mouse spermatozoa of low motility. <i>Biol. Reprod.</i> 57:1050-55. |
| | BF | Odawara, Y. and A. Lopata (1989) A zona opening procedure for improving in vitro fertilization at low sperm concentrations: a mouse model. <i>Fert. Steril.</i> 51:699-704. |
| | BG | Odawara, Y., K. Matsumoto, S. Shinozuka, K. Kusuhara and Y. Terashima (1995) Zona manipulation in an assisted reproductive technologies (ART) programme. <i>J. Obstet. Gynaecol.</i> 21:83-8. |
| | BH | Quinn, P., Kerin, J.F. and G.M. Warnes. (1985) Improved pregnancy rate in human in vitro fertilization with the use of a medium based on the composition of human tubal fluid. <i>Fertil. Steril.</i> 44:493-8. |
| | BI | Reetz, I.C., M. Wullenweber-Schmidt, V. Kraft and H.J. Hedrich. (1988) <i>Lab. Anim. Sci.</i> 38:696-701. |
| | BJ | Sharp, J. and L. Mobraaten (1997) To save or not to save: the role of repositories in a period of rapidly expanding development of genetically engineered strains of mice. In <i>Transgenic Animals: Generation and Use</i> , L.-M. Houdebine, Editor, Harwood Academic Publishers, Switzerland, pp. 525-32. |
| | BK | Sharp, J., C. Linder and L. Mobraaten. (2001) Genetically engineered mice. Husbandry and resources. <i>Methods Mol. Biol.</i> 38:661-2. |
| | BL | Suzuki, H., K. Yoroze, T. Watanabe, M. Nakura and J. Adachi. (1996) Rederivation of mice by means of in vitro fertilization and embryo transfer. <i>Exp. Anim.</i> 45:33-8. |
| | BM | Sztein, J.M., S. Farley, A.F. Young and L.E. Mobraaten. (1997) Motility of cryopreserved mouse spermatozoa affected by temperature of collection and rate of thawing. <i>Cryobiology</i> 35:46-52. |
| | BN | Sztein, J.M., J.S. Farley and L.E. Mobraaten. (2000a) In vitro fertilization with cryopreserved inbred mouse sperm. <i>Biol. Reprod.</i> 63:1774-80. |
| | BO | Sztein, J.M., M.J. O'Brien, J.S. Farley, L.E. Mobraaten and J.J. Eppig. (2000b) Rescue of oocytes from antral follicles of cryopreserved mouse ovaries: competence to undergo maturation, embryogenesis, and development to term. <i>Hum. Reprod.</i> 15:567-71. |
| | BP | Sztein, J.M., K. Noble, J.S. Farley and L.E. Mobraaten. (2001) Comparison of permeating and nonpermeating cryoprotectants for mouse sperm cryopreservation. <i>Cryobiology</i> 42:28-39. |
| RRS | BQ | Yokoyama, M., H. Akiba, M. Katsuki and T. Nomura. (1990) Production of normal young following transfer of mouse embryos obtained by in vitro fertilization using cryopreserved spermatozoa. <i>Jikken Dobutsu</i> 39:125-8. <i>Abstract only</i> |

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DATE CONSIDERED:

2/19/04

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| FORM PTO-1449 LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | ATTY. DOCKET NO. 03887.0002.NPU500 | SERIAL NO. 10/051956 |
| | APPLICANT: Larry Mobraaten et al. | |
| | FILING DATE: January 16, 2002 | GROUP: 1642 |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | |
|--|----|--|
| RAS | AQ | Baker, H.J. (1988) Rederivation of inbred strains of mice by means of embryo transfer. <i>Lab. Anim. Sci.</i> 38:661-2. |
| | AR | Critser, J.K. and L.E. Mobraaten. (2000) Cryopreservation of murine spermatozoa. <i>ILAR J.</i> 41:197-206. |
| | AS | Glenister, P.J., D.G. Whittingham and M.J. Wood. (1990) Genome cryopreservation – A valuable contribution to mammalian genetic research. <i>Genet. Res.</i> 56:253-258. |
| | AT | Glenister, P. and C. Thornton. (2000) Cryoconservation – archiving for the future. <i>Mamm. Genome</i> 11:565-71. |
| | AU | Gordon, J.W. and U. Dapunt. (1993) Restoration of normal implantation rates in mouse embryos with a hatching impairment by use of a new method of assisted hatching. <i>Fertility and Sterility</i> 59:1302-7. |
| | AV | Hogan, N. (1994) In: Manipulating the mouse embryo: A laboratory manual, Cold Spring Harbor Laboratory, Cold Spring Harbor Press, Plainview, N.Y. |
| | AW | Khalifa, E-A. M., M.J. Tucker and P. Hunt. (1992) Cruciate thinning of the zona pellucida for more successful enhancement of blastocyst hatching in the mouse. <i>Hum. Repro.</i> 7:532-6. |
| | AX | Kimura, Y., and R. Yanagimachi. (1995) Intracytoplasmic sperm injection in the mouse. <i>Biol. Reprod.</i> 52:709-20. |
| | AY | Mansour, R.T., C.A. Rhodes, M.A. Aboulghar, G.I. Serour and A. Kamal. (2000) Transfer of zona-free embryos improved outcome in poor prognosis patients: a prospective randomized controlled study. <i>Hum. Repro.</i> 15:1061-4. |
| | AZ | Mobraaten, L.E. (1986) Mouse embryo cryobanking. <i>J. In Vitro Fert. Emb. Transfer</i> 56:253-8. |
| | BA | Mobraaten, L.E. (1998) Cryopreservation centres: a means to archive. In <i>Novel Systems for the Study of Human Disease: From Basic Research to Applications</i> , OECD, Editor, Organisation for Economic Co-operation and Development, Paris: Rome, Italy, p. 321-8. |
| | BB | Morrell, J.M. (1999) Techniques of embryo transfer and facility decontamination used to improve the health and welfare of transgenic mice. <i>Lab. Animal</i> 33:201-6. |
| | BC | Naito, K., Y. Toyoda and R. Yanagimachi. (1992) Production of normal mice from oocytes fertilized and developed without zonae pellucidae. <i>Hum. Reprod.</i> 7:281-5. |
| RAS | BD | Nakagata, N. and T. Takeshima (1992) Cryopreservation of mouse spermatozoa from inbred and F1 hybrid strains. <i>Jikken Dobutsu</i> 42:317-20. |

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